



INSTRUCTIONS PERTAINING TO RISK OF FIRE OR INJURY TO PERSONS. READ ALL INSTRUCTIONS. IMPORTANT SAFETY INSTRUCTIONS. SAVE THESE INSTRUCTIONS.

DANGER - RISK OF SHOCK - DISCONNECT POWER BEFORE INSTALLATION! Please read all instructions before installation.

- Keep these instructions for future reference.
- Must be installed by a qualified electrician in accordance with national and local standards. Designplan is not responsible for fixtures installed without regard to these standards.
- The main power connection must be in accordance with local electrical codes.
- Unauthorized alterations or tampering of product voids warranty.
- Suitable for OUTDOOR applications.
- DO NOT INSTALL INSULATION WITHIN 3.0" (76 mm) OF ANY PART OF THE LUMINAIRE.



IP67

ATTENTION: For Wall/Ceiling - It is the contractor's responsibility to caulk around all the edges between the fixture and the mounting surface to satisfy wet label requirements.
For In-Grade - It is the contractor's responsibility to seal the conduit with "Great Stuff" aerosol seal that prevents water and moisture penetration for ultimate protection. Contractor **MUST** use gel-filled wire nuts.

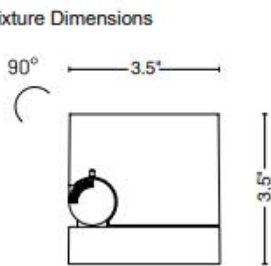
Maintenance

Scheduled maintenance must be carried out once a year on all lighting devices, regardless of appliance class and type of use. It must include the following operations:

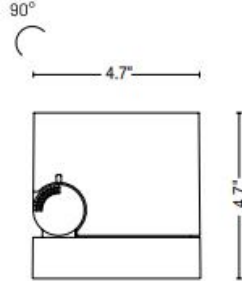
- Check that the glass or plastic lens is intact, and replace it if broken or damaged.
- Check that all cable glands and cables are intact and tightly secured.
- Check tightness of screws on various parts of the device.
- Periodically clean the fixtures to remove the built-up dirt from gratings and screw heads.
- For class II fixtures, check any plastic/insulating casings, to determine any damage to the insulation.
- Check for any water that may have collected inside the fixture or its outer casing.
- The internal components such as the ballast, transformer, driver, washers and screws must not show clear signs of oxidation or rust. Clear traces of rust and oxidation will indicate the presence of water inside the device.
- In the case of damage, the components must be replaced by original components or spare parts.

KUBOID 90, 120, 160

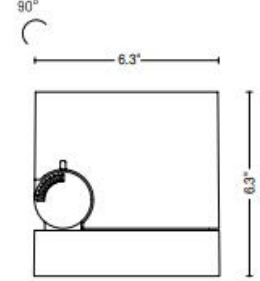
Fixture Dimensions



KUBOID 90

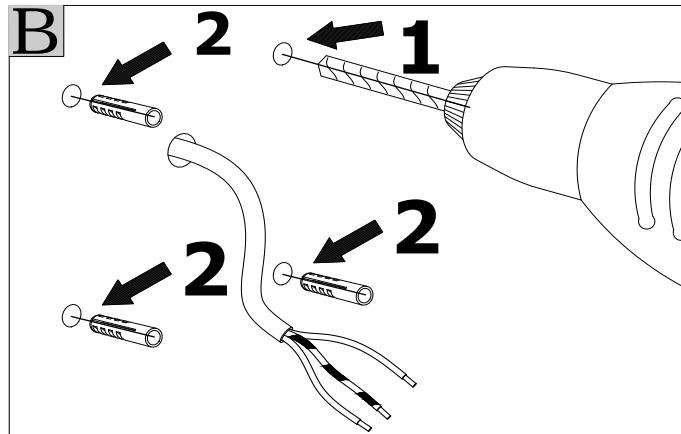
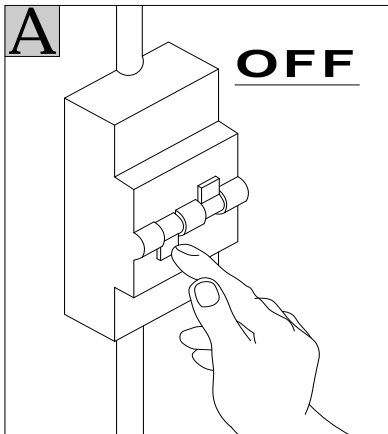


KUBOID 120



KUBOID 160

**SWITCH OFF
ELECTRIC
POWER**

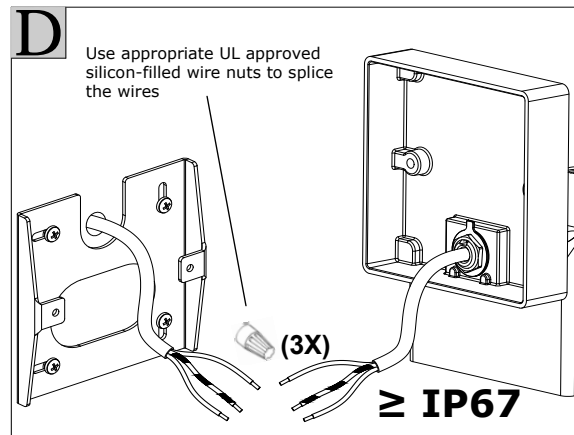
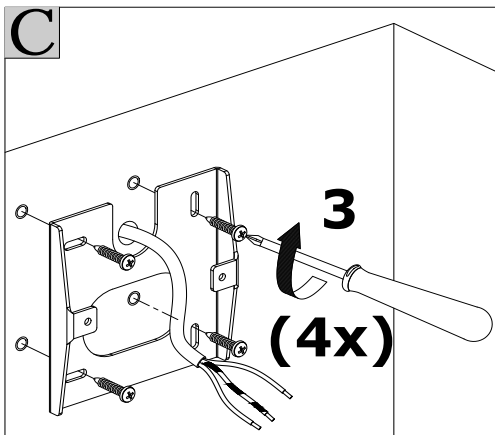


Trace hole locations using fixture backplate

Drill pilot holes with diameters appropriate for anchors used.

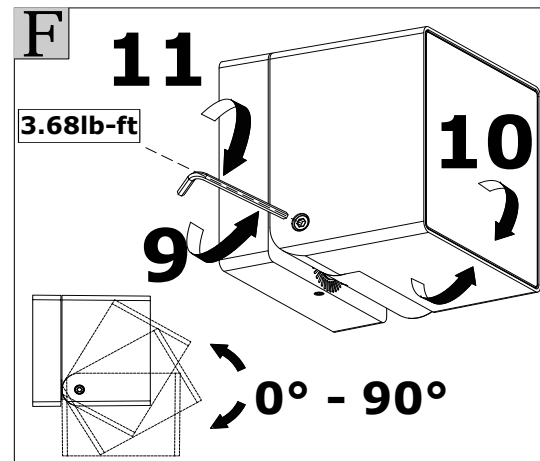
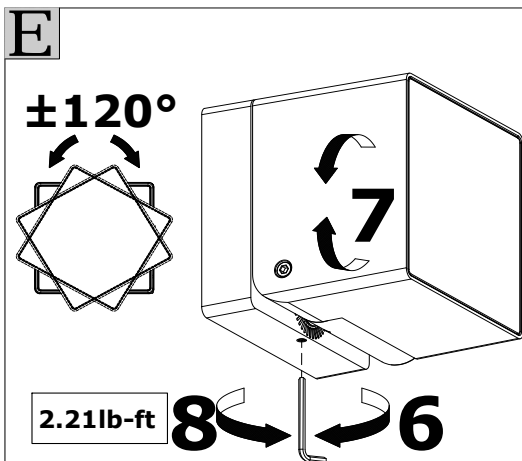
Insert anchors

Secure backplate to wall using screws



Splice wires from fixture to those of the junction box. (ensure correct connections are made)

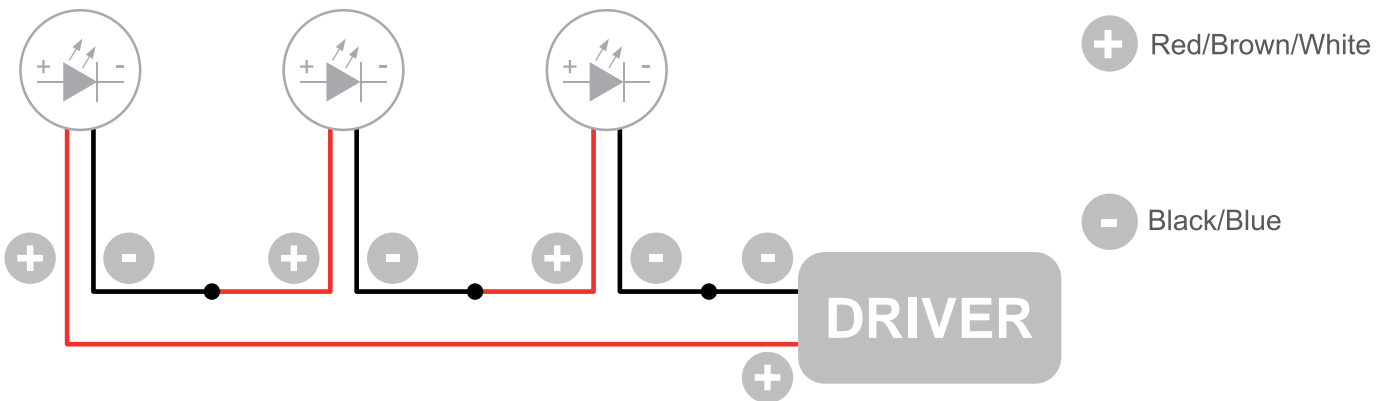
Adjust to desired orientation and tighten designated screw to set



Adjust to desired orientation and tighten designated screw

Wiring Diagram

500mA
(Static White Series Connection)



The individual lamps must be connected in series.
Only power up the system once all the lamps have been connected.

- LED lights work at constant current. When choosing a power supply unit, you need to consider the current by which the LEDs are driven and their maximum power consumption.
- Only power up the system once all the lamps are connected. Connecting an individual lamp to an active power supply may cause the lamp to break due to over-voltage.
- The electronic power supply is constant current, so to a certain extent it automatically compensates the voltage drop associated with cable length; however, we advise not exceeding 100 feet.
- Lamps and power supply units must be installed in well-ventilated boxes or locations to allow a natural heat diffusion and avoid the devices overheating.
- On the power system, install a surge protection device to reduce the intensity of any voltage spikes to protect the lighting fixtures from the risk of damage.
- Fixture NOT suitable for covering with thermally insulating material.